PART B - FEE(S) TRANSMITTAL Complete and send this form, together) ^Japplicable fee(s), to: <u>Mail</u> Mail Stop ISS Commissioner 1or Patents DEC 0 6 2004 P.O. Box 1450 Alexandria, Virginia 22313-1450 or Fax (703) 746-4000 INSTRUCTIONS: This form stoud be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed wh appropriate. All further correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, m have its own certificate of mailing or transmission. 09/09/2004 12/07/2004 RMEBRAH1 00000101 09826458 Kevin R. Casey Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim transmitted to the USPTO (703) 746-4000, on the date indicated below. Ratner & Prestia 685.00 DP 01 FC:2501 300.00 DP Suite 301 02 FC:1504 30.00 OP P.O. Box 980 03 FC:8001 Valley Forge, PA 19482-0980 Kathleen P. Carney (Depositor's na (Signat December 2004 (D) APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/826.458 04/05/2001 X.-C. Zhang RPI-103US38 6513 TITLE OF INVENTION: TERAHERTZ TRANSCEIVERS AND METHODS FOR EMISSION AND DETECTION OF TERAHERTZ PULSES USING SU **TRANSCEIVERS** APPLN. TYPE SMALL ENTITY **ISSUE FEE PUBLICATION FEE** TOTAL FEE(S) DUE DATE DUE YES nonprovisional \$685 \$985 \$300 12/09/2004 EXAMINER ART UNIT **CLASS-SUBCLASS** \$1015 LEE, SHUN K 2878 250-338100 1. Change of correspondence address or indication of "Fee Address" (37 2. For printing on the patent front page, list CFR 1.363). RatnerPrestia (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is Tree Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Rensselaer Polytechnic Institute Troy, New York, USA Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Governm 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies 10 The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number ____18=0350_____ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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THE TO ANOM	LTTAL	Complete if Known				
FEE TRANSM	IIIIAL	Application Number	09/826,458			
for FY 20	05	Filing Date	April 5, 2001 Xi-Chen Zhang Shun K. Lee			
Effective 10/01/2004. Patent fees are subj	ect to annual revision.	First Named Inventor				
Applicant claims small entity state	us. See 37 CFR 1.27	Examiner Name				
	:	Art Unit	2878			
TOTAL AMOUNT OF PAYMENT (\$)	1015	Attorney Docket No.	RPI-103US			

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
☐ Check ☑ Credit Card ☐ Money Order ☐ Other ☐ None			3. AD	DITION		S Entity			
□ Deposit Account (use as backup only):			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Deposit		1051	130	2051	65	Surcharge - late filing fee or oath			
Account Number	18-0350		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit Account Name RatnerPrestia			1053	130	1053	130	Non-English specification		
The Director is authorized to: (check all that apply)			1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
☐ Charge fee(s) indicated below			1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
☐ Credit any overpayments ☐ Charge any additional fee(s) or any underpayment of fee(s)			1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.			1251	110	2251	55	Extension for reply within first month		
FEE CALCULATION			1252	430	2252	215	Extension for reply within second month		
			1253	980	2253	490	Extension for reply within third month		
BASIC FILING FEE Large Entity Small Entity			1254	1,530	2254	765	Extension for reply within fourth month		
	ee Fee	Fee Description	e Paid	1255	2,080	2255	1,040	Extension for reply within fifth month	
	ode (\$) 001 395	Utility filing fee	e raid	1401	340	2401	170	Notice of Appeal	
	002 175	Design filing fee		1402	340	2402	170	Filing a brief in support of an appeal	
	003 275	Plant filing fee		1403	300	2403	150	Request for oral hearing	
	004 395 005 80	Reissue filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1005 160 2005 80 Provisional filling fee			1452	110	2452	55	Petition to revive – unavoidable		
SUBTOTAL (1) (\$) 0			1453	1,370	2453	685	Petition to revive – unintentional		
2. EXTRA CLAIM	FEES FOR UT	FILITY AND REISSUE		1501	1,370	2501	685	Utility issue fee (or reissue)	685
Extra Fee from Fee Claims below Paid			Fee Paid	1502	490	2502	245	Design issue fee	
Total Claims	-20** =	0 x = [0	1503	660	2503	330	Plant issue fee	
Independent Claims	-3** =	0 X =	0	1460	130	1460	130 -	Petitions to the Commissioner	
Multiple		×	0		50	1807		Processing fee under 37 CFR 1.17(q)	
Dependent		^[1		1807	-		50	•	
Large Entity Fee Fee	Small Entity Fee Fee			1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$)	Code (\$)	Fee Description		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18	2202 9	Claims in excess of 20			790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1201 88 1203 300	2201 44 2203 150	Independent claims in excess of 3 Multiple dependent claim, if not paid		1810	790	2810	395	For each additional invention to be	
1204 88	2204 44	** Reissue independent claims over						examined (37 CFR § 1.129(b))	
oo 2204 44 original patent ** Reissue claims in excess of 20 and over original patent		1801	790	2801	395	Request for Continued Examination (RCE)	\vdash		
		5. 20 dilo	1802	900 1	1802		Request for expedited examination of a design application		
SUBTOTAL (2) (\$) 0		Other fee (specify) Publication Fee; Advice Copy Order				330			
		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1015							
Tor number previous	siy paid, if greater	r; For Reissues, see above							

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